

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB



An ARRL Special Service Club

January 1991

Next Meeting January 9, 1991

Words from the President

By Ray Deeth, K7VDQ

WOW! The Holiday Festival was another successful event for the club. Good Olde Ham Conversations as well as excellent entertainment by the "Sweet Adelines" from West Hills. This dedication by these ladies to music showed in their voices. A remark was made to me that they never have performed in front of such a receptive audience. Therefore, those club members who didn't attend this year's holiday festival really missed an evening of good fellowship.

Even many non-members (spouses or whatever) commented to me about how they enjoyed the evening and will definitely be back next year. Mark your calendars for the December, 1991, general meeting - Holiday Festival 1991. Eight club members were rewarded with a poinsettia to take home for the holidays - Great idea by the festival committee to hold a raffle for those beautiful plants. Not only was the entire evening great, the Elks provided a delicious buffet dinner.

I would like to thank everyone, who attended the Holiday Festival, for their sharing support in filling the Elk's Christmas barrel. The Elk management that evening expressed how this sharing of Love was really appreciated in support of their Christmas Baskets. The Elks stated they deliver approximately 400 baskets to the needy each year.

The newly elected officers will begin their respective duties at the first Executive Board meeting, Thursday, January 3, 1991, to be held at the CHIAM restaurant. Note the Thursday date and the time is 7:00pm. The location of the restaurant is two doors south of the intersection Cornell and Murray or about four blocks north of Rt. 26 on Murray. Welcome new board members, K7WWG (WES), KO7B (ALAN) and KB7ADH (JIM). We will miss the fine leadership of NB7W (JOHN), W7AGQ (GREG) and KD7LA (MARTY).

It was apparent that the majority of the membership gave their vote of confidence by re-electing me president for 1991. I appreciate the continuing support, however I feel it is important to bring in new ideas and new blood. Therefore, after three years as president, my intentions are to end my term 12/31/91. I feel we have several qualified individuals in the club who can lead this active group of dedicated HAMS.

In keeping with new ideas and new blood, I would like to see several new members step forward at the January meeting to volunteer for committees that must be appointed at this time. Here is where one can learn more about the club as well as the Amateur Radio fraternity. Because setting in the back row will not give you a complete picture of the hobby. This club has an abundance of individuals with outstanding leadership talents. Therefore, when making your New Years resolutions, keep OTVARC in mind by volunteering to serve the club in some way in 1991.

PROGRAM FOR JANUARY MEETING

Specialized Mobile Radio Network (SMR) Complete Mobile Communications

What is SMR Network?
How does a Trunked Systems Work?
What are the benefits of Trunked Communications?
What are the advantages with SMR Networks?
Why are businesses going to SMR Network?

Trunking is a new type of communications. Don't miss the January meeting when this network is explained in detail.

OTVARC Club 2 Meter Repeater is on 146.900 (-600)

NO CODE LICENSE DECISION ANNOUNCED

The FCC announced on December 13 that new Technician Class license applicants will not have to demonstrate Morse code proficiency in order to have all privileges above 30 MHz. Implementation is expected by February 1991. Techs who obtain their licenses prior to that date will be grandfathered, meaning they will continue to have their present HF privileges.

The codeless Technician written exam will have 55 questions. New Technicians wanting HF privileges will be required to hold a CSCE for element 1A, that is 5 WPM, which must be administered by three accredited VEs. There will be no call sign designator to indicate whether or not a Technician has passed a code test, but FCC will have records of who has passed. More details will be forthcoming in February QST.

220 MHZ APPEAL REJECTED

The US Court of Appeals for the District of Columbia Circuit has denied the ARRL petition for review of the FCC order reallocating 220 TO 222 Mhz to the land mobile service. The court concluded that by law it had to give great deference to the views of the commission, and it could not say that the commission did not arrive at a reasoned decision about the best way to advance the public convenience, interest, or necessity.

W1AW TO SHIFT 15 AND 10 M CW FREQUENCIES

Effective January 2, 1991, W1AW will transmit its code practice and CW bulletins on new frequencies in the 15 and 10 meter bands. The change is being made to avoid interference between W1AW and AMTOR operations, which have become very popular near the old frequencies that had been used by W1AW for many years. The new frequencies will be 21.0675 and 28.0675 MHz, 10 kHz lower than the old frequencies.

FCC MAKES AMATEUR SERVICE MORE ACCESSIBLE TO HANDICAPPED OPERATORS

The Commission has amended its rules to make the amateur service more accessible to amateur operator licensees who, because of severe handicaps, are incapable of passing the higher speed Morse telegraph examinations. However, the FCC declined to provide a list of disabilities. Instead, the judgement of a physician will be relied on to establish that a person is severely handicapped and cannot pass a telegraphy examination.

On August 1, 1990, the FCC proposed exempting from the 13 and 20 words per minute (wpm) telegraphy examinations amateur operator licensees who are incapable of passing those examinations due to severe handicaps. Because of international requirements, however, no exemptions would be granted from the 5 wpm telegraphy examination.

The rules adopted require a physician's certification and a release permitting disclosure to the FCC of medical information pertaining to the handicap. The Commission said that the term "physician" would be limited to practitioners with full medical privileges, that is, doctors of osteopathy or doctors of medicine.

With respect to whether administering volunteer examiners (VEs) should administer examinations that they had not passed, the Commission said that any VE who is not competent to perform the VE functions should not administer examinations.

NORTHWEST SECTION DIRECTOR ELECTED

ARRL members in the Northwestern section have voted to send a new representative to the ARRL Board. Ballots in this contested election for 1991-1992 terms of office were counted by the Committee of Tellers November 20 at League Headquarters.

The Northwestern Division race was between Mary Lewis, W7QGP, the present ARRL Section Manager of Western Washington and a past Director of the Division, and incumbent Bill Shrader, W7QMU. Shrader advanced from the position of Vice Director to Director a year ago following the resignation of Rush Drake, W7RM, for health reasons. **Lewis was elected by a margin of 110 votes, 2,382 to 2,272.** The incumbent Vice Director, Mary Lou Brown, NM7N, was unopposed for reelection.

OTVARC Travelers Prepare for 1991

By Willis, N7DZR

The Travelers did not have a December outing on the third weekend. However, most of the travelers enjoyed the dinner and entertainment at OTVARC's annual holiday festival. The OTVARC Travelers wanted to entertain the club with song and dance, but our singers and dancers must have a camp fire to create the proper atmosphere to get them in the right mood. Maybe next year the fire marshal won't be such a hard nose.

Next year is bringing a lot of new adventures into our travels. There are many places in our limited circle of 150 miles we haven't been yet. The wagon masters for 1991 are really doing their thing by putting a lot of thought for exciting new places. In fact, with all the consideration and prospects for the 1991 Travelers Itinerary it was hard to decide where will go.

One outing, the one in July, does merit special mention however. This will be an invitational outing. Invitations will go out to all the amateur radio clubs within a reasonable area that can spend a weekend with us at Skanokowa, Washington. This will be an outing no one will want to miss.

The January outing is a short mileage trip to the junction of I5 and the exit 271 (Highway 214). Go west until you have gone 0.1 miles on Highway 214 to Arney road. Now go north on Arney Road 0.2 miles and low and behold there it is, Woodburn R.V. Park. Now here comes a problem. there are 148 paved sights, 97 which are pull throughs and you have to find the OTVARC's sites. Hint number one: call on the usual frequencies. Hint number two: try hint number one again. If we have a group we get a special rate, so Jerry (N7KUQ) the wagon master wants all of us to look for a group, and if you find one bring it along.

The writer thinks the wagon master for the next months outing should write about the last months outing. Telling why he or she choose the outing will promote attendance. It is such a good idea that I quit.

73's and 88's to the girls.

OTVARC TRAVELERS CAMPOUT SCHEDULE FOR 1991

<u>Month</u>	<u>Location</u>	<u>Wagonmaster(s)</u>
January	Woodburn R.V. Park, Oregon	Jerry & Bobbie Mohr
February	Cape Kiwanda R.V. Park, Oregon	Steve Stewart
March		Al & Mary Berg
April	Big Eddy Park, Oregon	Bud & Sally Butterfield
May		Bob & Jo Orr
June		Dave & Marion Funk
July	Skamokawa, Washington	Geno Buell
August	Beaver Bay, Washington	Darwin & Verna Mae Durr
September	Silver Falls State Park, Oregon	Jerry & Bobbie Mohr
October	Pacific City 1000 Trails, Oregon	Tom & Barbara Bailey
November	Depoe Bay Holiday R. V., Oregon	Jerry & Bobbie Mohr

OTVARC Travelers Coordinator
Jerry Mohr, N7KUQ
646-4027

All campouts are the 3rd full weekend of each month.

WOODBURN RV PARK - Group rate given to OTVARC is \$14 / night. This is a great park (AAA rating) with full hookups and nice recreation room which we can use Friday night and all day Saturday. The club house has nice restrooms which are open from 6:30 A.M. to 10 P.M. There is also a bathroom in the recreation room. Use 147.32 frequency while enroute and 145.67 while in the vicinity of the RV park. (503) 981-0002.

Hams Help Track Jammer

Another alleged radio jammer has been silenced due in part to the efforts of Amateur Radio operators.

On November 6, U.S. marshals and engineers from the FCC's Langhorne, PA field office seized radio equipment, belonging to Ernest Woods, 30, of Norristown, believed to have been used to interfere with Philadelphia-area 2-meter Amateur repeaters, as well as frequencies of the Pennsylvania State Police, the Norristown fire department, and other public service agencies.

Woods could face serious civil and criminal charges as a result. Woods was issued Novice class amateur license KA3WHZ in May 1990 and a Technician license in August.

In late June users of the Telford (PA) Area Repeater Association (TARA) began to experience "persistent and purposeful interference" to their 145.190 MHz repeater. In early August the TARA executive committee and TARA's control operators met to discuss the situation, after the jammer had gotten access, apparently through trial and error, to the repeater's phone patch and speed dial codes.

Concerned for the integrity of the repeater's emergency service codes, TARA on August 8 changed these services to "controlled access," and at the same time began efforts to pinpoint the source of the interfering signal. Standard Amateur fox-hunting techniques soon narrowed the source of the signal to a neighborhood of Norristown, about 20 miles from downtown Philadelphia.

On August 27 a preliminary formal complaint—with tape recordings—was filed by TARA's president with the Engineer in Charge of the FCC field office in Langhorne, PA. Area ARRL and repeater officials were at that time notified of the situation.

On September 2, a team once again tracked "Barney," as they called the jammer, and concluded that additional equipment would be needed to identify the specific house from which the signal was being transmitted.

On September 6 a TARA official and one from the Fairview Village 2-meter repeater joined forces, using a Doppler Systems direction finding unit to localize the source of the signal to the same area.

Four days later, a station was copied interfering with several Pennsylvania State Police channels in the 159-MHz range. A TARA official monitored the police frequencies long enough to confirm to his satisfaction that the interfering operator probably was the TARA repeater jammer.

TARA informed the Pennsylvania State Police of their on-going search for their repeater jammer, and were told the cops had been forced to move to alternate frequencies because of the jammer.

As word spread through various agencies, interference to the state police continued, with Barney telling the troopers to "drop dead" and at one point making a false report of an accident.

By Sept. 12 the FCC had stepped in, to act on complaints both from TARA and from the state police. Engineer-in-Charge John Rahtes asked for TARA's assistance: Rahtes needed a safe house in the immediate neighborhood where his agency could set up equipment to monitor the jammer, identify him, and gather legal evidence.

A vacant third floor apartment was located a half-block from the suspected source of the signal and the FCC installed its equipment, including gear capable of identifying transmitters by their signal signatures. TARA personnel assisted the FCC in monitoring over the next few weeks. Barney at this point apparently became suspicious and for several days curtailed his transmitting.

Additional transmissions were noted on the TARA repeater, and on state police, county radio, and the Norristown Fire Department frequencies, as Barney gradually resumed operations beginning the weekend of Sept. 15-16. FCC engineers meanwhile narrowed the source down to a particular house in the congested area.

For the next two weeks monitoring increased, as efforts began to identify the occupants of the house, which appeared to be divided into apartments. Any search warrant issued would have to be for a specific apartment rather than for the whole building.

(Continued on page 5)

Membership Renewal Reminder

It is time to pay your yearly membership dues. The renewal fee is \$10.00, payable to the club treasurer.

If you do not renew by the end of January 1991, you will lose your current membership number and no will no longer receive the club newsletter.

Contact Ken Gilbert, WR7D, at 292-3497 if you have any questions for problems.

FOR SALE
600 WATT SWAN STATION

Swan 600 T Transmitter, 600R Custom Receiver, Matching Speaker-Phone Patch unit, Mic. All good condition. \$375.00

Ron, W7YOW, 429-5721 Vernonia.

(Barney - Continued from page 4)

At the end of September the U.S. Attorney was presented with evidence gathered up to that time. Montgomery County Communications Chief Dennis Parker and Norristown Fire Department Chief Joe DeDominic were asked to provide evidence they had gathered about interference to their operations and to file formal complaints.

In early October the jamming increased, and included harrassment of the Norristown F.D. on Oct 20, 23, and 26. In one transmission Barney tried to recall several trucks from a fire call. By that time the fire department had filed a formal complaint with the FCC.

On Oct. 19, U.S. marshals and FCC personnel, acting on a search warrant issued by the U.S. Attorney, entered the suspect house. But no radio equipment was found. Although the raid was a disappointment, the FCC continued its probe.

The landlord of the row house next to the house that had been searched told Rahtes that one of his tenants was known to have several radios and antennas in his room at the front of the building. The landlord supplied additional information, such as the tenant's work hours, which seemed to confirm that this individual was indeed the likely suspect.

From the landlord's first floor apartment Rahtes took field strength measurements, and was able to hear Barney operating his equipment through the thin walls of the building.

On Nov 1, the Radio Amateur Civil Emergency Service repeater in Eagleville, PA, reported unauthorized access to its 911 emergency system. RACES net members were being beeped day and night, adding to the FCC's case for securing another search warrant, which soon was issued.

TARA president E.C. "Gene" Pressler, W3ZXV, joined FCC personnel and U.S. marshals to enter the suspect prem-

ises. Several pieces of radio equipment were discovered, along with a directional antenna suspended from the ceiling, and other evidence.

Pressler then operated the suspect's equipment as FCC engineers Barry Peahota and Frank Hurst made recordings of the signal, for later signal and voice print analysis comparison with taped jamming transmissions.

Included among the equipment confiscated were two hand-held transceivers, as well as several scanners, most of which were in operation at the time of the search.

At press time, no charges had yet been filed against Woods.

Mark your calendars now!

SEA-PAC

May 31, June 1 & 2

The QVARC NEWSLETTER is published monthly by the Oregon Tualatin Valley Amateur Radio Club, Inc.

The opinions, views and recommendations of its contributors are not necessarily those of the Club, it's officers, advertisers or the Editorial Staff.

Articles or letters may be submitted to:

Jeffrey A. Durr, KA7AKU, Editor
17615 N.W. Country Drive
Portland, Oregon 97229.

Deadline for all material is the 20th of the preceding month.

All correspondence other than for this newsletter should be sent to:

Oregon Tualatin Valley Amateur Radio Club
Post Office Box 5132
Aloha, Oregon 97006-0132.

Meetings are held on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 S.W. 104th Avenue, Beaverton, Oregon.

Meetings begin at 7:00 P.M. following a buffet dinner served at 6:15 P.M.

SEA PAC

ARRL NW DIVISION HAM CONVENTION

May 31st, June 1st & 2nd, 1991

PLAN NOW TO ATTEND THE NORTHWEST'S LARGEST HAM CONVENTION
Seaside/Pacific Ham Convention, Seaside Convention Center, Seaside OR



**Banquet/Gordon West
30+ Seminars
No-Host Breakfast
Repeater Owners Forum
100+ Flea Market Tables**

**Manufacturers
Awards
Dealer Exhibits
VE Testing
QCWA Meeting**

**Ladies Luncheon & Activities
Friday ICOM Social Casino Night**



Convention Hours:

SAT, JUN 1

9am-4:30pm

SUN, JUN 2

9:30am-1:30pm

EXHIBITORS:

For early booth reservations, please respond VIA: OTVARC, Box 219142, Portland, OR 97225-9142,
or call Al WB7SIC, at (503) 640-5456 at any time, or Jim, KB7ADH, at (503) 245-2518, evenings.
MOTEL ASSISTANCE: IN OREGON 1-800-444-6740. OTHERS 1-503-738-6391

NOTE:

Exhibitors &
Flea market
setup starts at
11:00am Fri,
May 31st

**MAKE CHECKS
PAYABLE TO:
SEA PAC**

REGISTRATION

Mail To: OTVARC Box 219142 Portland, OR 97225-9142

No. _____ Office Use Only

Registration Info:
503-796-2105
Voice MailBox

_____ Registrations at \$5.00 ea. (\$7.00 at the door) -----	\$ _____
_____ Teens Convention Registration at \$2.00 ea. (No Prize Ticket) -----	\$ _____
_____ Children 12 and under FREE.	
_____ Flea Market Tables at \$10 per table per day or \$17 per table for 2 days	\$ _____
_____ Friday Social Casino Night at \$10.00 (300 person limit) -----	\$ _____
_____ Saturday QCWA Lunch at \$7.50 (150 person limit) -----	\$ _____
_____ Saturday Ladies Luncheon at \$7.00 (80 person limit) -----	\$ _____
_____ Saturday Banquet Halibut Dinner at \$17.00 ea -----	\$ _____
_____ Saturday Banquet Prime Rib Dinner at 17.00 ea -----	\$ _____
NOTE: Flea Market Participants must register for the convention.	
Total	\$ _____

NAMES (please print)

Calls

NAMES

Calls

Address _____

City _____

State _____

Zip _____

Phone(____) - ____ - ____

The Oregon Coast Emergency Repeater Association and Salem
Repeater Association proudly present the 1991

SALEM HAMFAIR

and

ELECTRONIC SWAPMEET

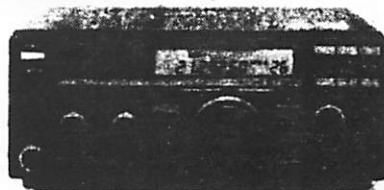
SATURDAY, FEBRUARY 16

POLK COUNTY FAIRGROUNDS

West of Salem where Highway 22 meets 99W at Rickreall.

Doors open at 9:00 a.m.

- **GRAND PRIZE:** Icom's new IC-725 HF Transceiver.
- **OREGON'S BIGGEST ELECTRONIC SWAP MEET!**
- **COUNTRY STORE:** Sell your gear with help from Salem ARC.
- **PRE-REGISTER** by February 10 and receive entry badges and door prize tickets by return mail. Registrations received beginning Feb. 11 will be held for pickup at the door.



Anyone 13 years or older must be registered to gain admittance to hamfair.

AMATEUR RADIO SUPPLY



C-COMM

plus many specialty dealers.

SALEM REPEATER ASSN.
P.O. BOX 784
SALEM, OR 97308

Yes, I'd like to be a part of the SALEM HAMFAIR. Enclosed is \$ _____

for _____ Registrations at \$5.00 each (\$6.00 at the door)

and _____ swap tables at \$5.00 per table (\$7.50 with power)

Swap table participants must also register. Make checks payable to Salem Repeater Association.

**HURRY! Swap tables
sold-out last year . . .**

Name _____ Call _____

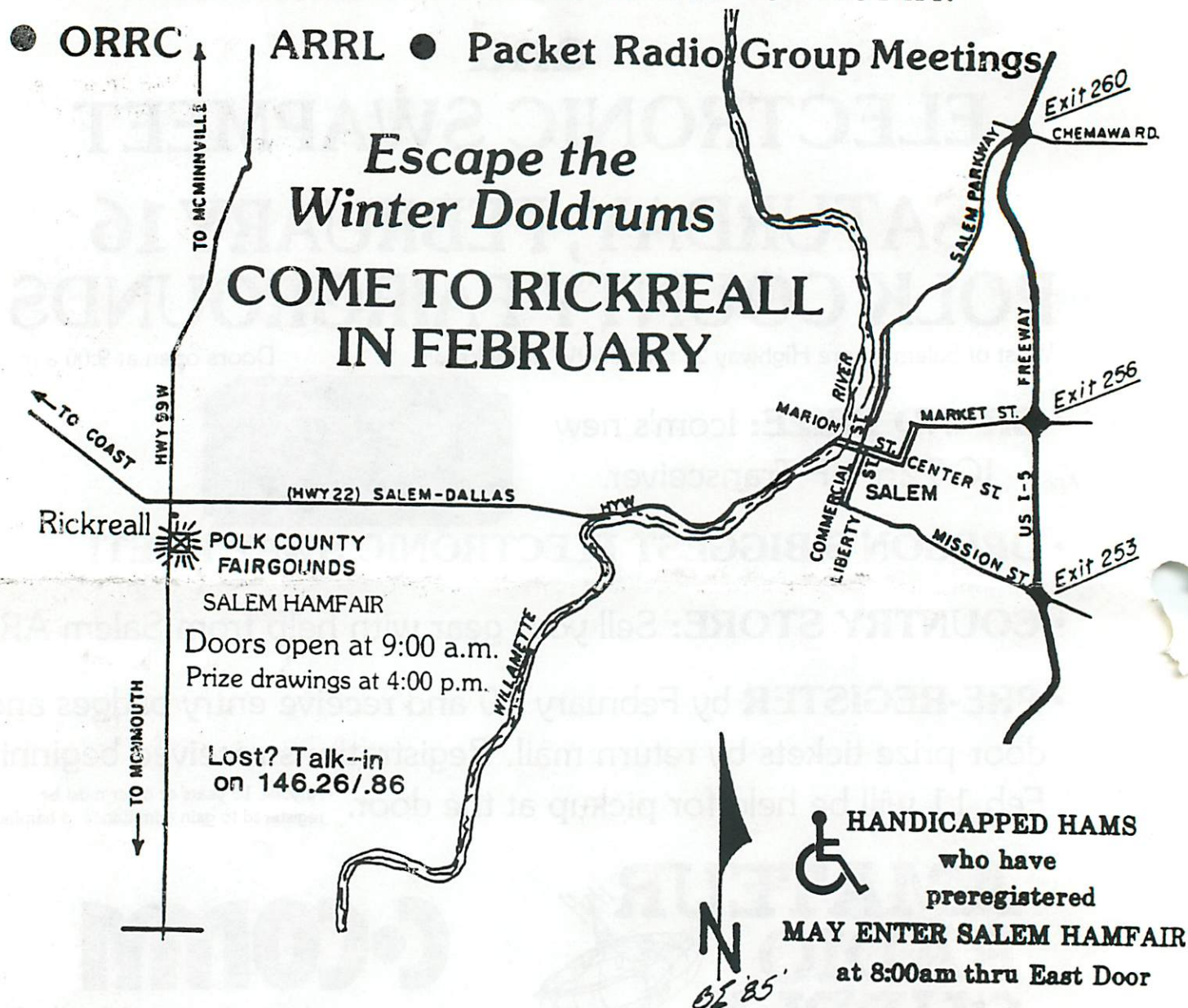
Address _____ Phone _____

City _____ State _____ Zip _____

Mail by February 2 and receive an extra door prize ticket with each admission.

No license tests this year so all can enjoy hamfair.

- **EASY ACCESS FROM INTERSTATE FIVE OR HIGHWAY 99W:** Take Exit 260A, the Salem Parkway route from I-5 South; Mission or Market Street exits from I-5 North.



- **PLENTY OF GRAVELED PARKING.**
- **FOOD:** Coffee, fresh pastries, hamburgers & chips, chili & french bread, PEPSI products
- **OVERNIGHTERS:** Parking for self-contained RV's on the fairgrounds. Contact the Polk County Fairgrounds (623-3048) for details.